



## Chapter 10

### **PUBLIC SANITARY SEWER, PUBLIC WATER SUPPLY, AND STORMWATER DRAINAGE SYSTEM PLANS**

#### **INTRODUCTION**

This chapter summarizes the detailed sanitary sewer service area for the City for the year 2010, the public sanitary sewer plan, and the water supply system plan. These utility and facility system plans, when adopted by the City Plan Commission, are elements of this Comprehensive Master Plan. Mention is also made of the stormwater drainage system master plan which was under preparation during the preparation of this Comprehensive Master Plan.

#### **SANITARY SEWER SERVICE AREA DELINEATION**

The SEWRPC Planning Report No. 30, A Regional Water Quality Management Plan for Southeastern Wisconsin: 2000, was adopted in 1979. The SEWRPC plan was based on the recommended sanitary sewer service areas attendant to each sewage treatment plant in the region. It was also based upon the general regional land use plan for the year 2000. Since these delineations were of a general nature, the plan recommended the refinement of sewer service area boundaries (pursuant to local planning policy) on a more detailed and localized level. In 1985, the refinement process was started in the City of Franklin but was held in abeyance pending a determination of the manner in which sanitary sewer service would be provided to the Waste Management of Wisconsin, Inc. Metro Landfill site located in the southwestern area of the City.

In 1990, the City of Franklin formally adopted the detailed and refined final sewer service area for the entire City (see Map 10.1.) The refinement is described in detail in SEWRPC Community Assistance Planning Report No. 176 titled Sanitary Sewer Service Area for the City of Franklin. The entire sanitary sewer service area is tributary to the Milwaukee Metropolitan Sewerage District sewage treatment facilities. In addition, the sewer service area boundary lines are more precisely described on the various detailed neighborhood, planning district, and planning area plan maps (see Chapter 8.)

Michigan will be the City's future water source. The water supply comprehensive system plan includes the following parts:

1. An evaluation of the existing pumping, storage, and distribution facilities for the existing system.
2. A review of population and water use data including an estimate of future water use in the City.
3. The establishment of water supply sources and wholesale water rates.
4. Identification of water distribution system improvements, an allocation of design years 2000 and 2020 average day water uses to the distribution network, and the establishment of basic assumptions and criteria.
5. Development of a water supply system comprehensive plan improvement program showing the water distribution system and all recommended water system improvements. The water system plan details pumping and storage requirements including capacity, head conditions, and design criteria. The water system plan improvement program indicates a phased development plan for the years 2000, 2010, and 2020.
6. Various financial analyses relative to the revenues and expenses of the planned water system.

Following the City's acceptance of the public water supply system comprehensive plan, that plan should be adopted as an element of this Comprehensive Master Plan.

## **STORMWATER DRAINAGE MASTER PLAN**

In late 1991, the City of Franklin hired the engineering firm of Bonestroo, Rosene, Anderlik & Associates of St. Paul, Minnesota to prepare a stormwater drainage master plan for the City. At the time of the completion of this Comprehensive Master Plan (mid-1992), the stormwater drainage master plan was under preparation. The stormwater drainage master plan was prepared using the various detailed elements of this Comprehensive Master Plan (see plan maps in Chapter 8) as its basis. Following the completion and the City's acceptance of the stormwater drainage master plan, that plan should be adopted as an element of this Comprehensive Master Plan.